(54) Title: CORRECTION METHOD FOR CHIP REMOVAL MACHINES

(54) Bezeichnung: KORREKTURVERFAHREN FÜR ZERSPANUNGSMASCHINEN
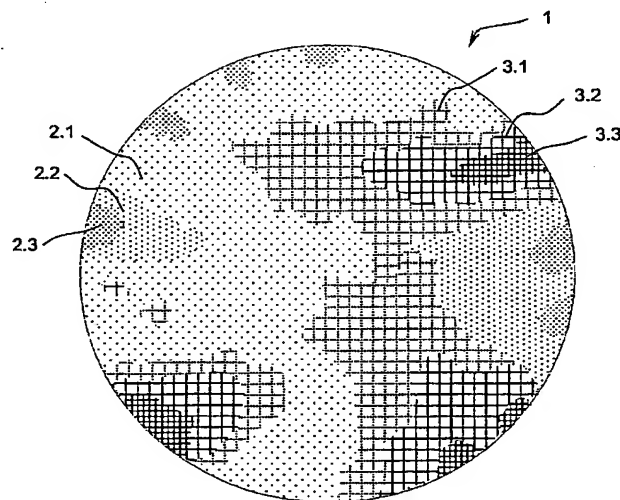
(57) Abstract: The invention relates to a method for determining the deviation of at least one regulating variable on chip removal machines comprising a mechanical drive for a tool and/or a workpiece (1), regulated by a control system, the regulation comprising a plurality of values C, X, Z of at least three spatial axes c, x, z for the control system and for the drive, said values C, X, Z having a functional relation such as $Z = f_{bi}(C, X)$ with the axes c, x, z. A protocol is prepared from a plurality of control system actual values $(C_{p,s}, X_{p,s}, Z_{p,s})$ detected by measuring means and/or selected drive actual values $(C_{p,a}, X_{p,a}, Z_{p,a})$, and a control system nominal value according to $Z_{bi,s} = f_b i (C_{p,s}, X_{p,s})$ and/or a drive nominal value according to $Z_{bi,a} = f_b i (C_{p,a}, X_{p,s})$, in addition to a control system differential value according to $D_{z,s} = Z_{p,s} - Z_{bi,s}$ and/or a drive differential value according to $D_{z,a} = Z_{p,a} - Z_{bi,a}$ is calculated at least in relation to the z axis. The invention also relates to a chip removal machine using one such method.

[Fortsetzung auf der. nächsten Seite]

GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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